

## ABSTRACT

Methods, systems, and computer program products for improving installation of software packages using a directory (such as a Lightweight Directory Access Protocol, or “LDAP”, directory). A model and framework are described, where the objects of the data model may be uncoupled from the framework, allowing individual objects to be separately stored and retrieved in the directory is association with access rights or privileges. Multiple versions of each object may therefore be created and stored, and may be easily retrieved using the built-in mechanisms of the directory, when access rights which are appropriate for a particular requester are known. Optionally, built-in authentication mechanisms of the directory may be used to authenticate the requester.